

02124080 CLARKE CREEK NEAR HARRISBURG, NC

LOCATION.--Lat 35°24'51", long 80°45'07", Cabarrus County, Hydrologic Unit 03040105, on left wingwall on upstream side of bridge on Secondary Road 1449, 3.0 mi upstream from mouth, and 8.5 mi northwest of Harrisburg.

DRAINAGE AREA.--21.9 mi<sup>2</sup>.

PERIOD OF RECORD.--July 2003 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 610 ft above NGVD of 1929 (from topographic map). Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for current water year and period of record also occurred May 27, Aug. 8, 2004 and is affected by withdrawal from golf course upstream.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	7.7	4.4
2	---	---	---	---	---	---	---	---	---	---	6.6	3.9
3	---	---	---	---	---	---	---	---	---	---	6.2	3.2
4	---	---	---	---	---	---	---	---	---	---	13	4.3
5	---	---	---	---	---	---	---	---	---	---	18	5.1
6	---	---	---	---	---	---	---	---	---	---	7.4	3.6
7	---	---	---	---	---	---	---	---	---	---	22	3.5
8	---	---	---	---	---	---	---	---	---	---	21	3.8
9	---	---	---	---	---	---	---	---	---	---	13	4.5
10	---	---	---	---	---	---	---	---	---	---	14	3.4
11	---	---	---	---	---	---	---	---	---	---	18	3.1
12	---	---	---	---	---	---	---	---	---	---	7.7	2.6
13	---	---	---	---	---	---	---	---	---	---	7.1	2.3
14	---	---	---	---	---	---	---	---	---	---	6.2	2.5
15	---	---	---	---	---	---	---	---	---	---	6.3	2.3
16	---	---	---	---	---	---	---	---	---	---	5.7	1.2
17	---	---	---	---	---	---	---	---	---	---	13	1.6
18	---	---	---	---	---	---	---	---	---	---	7.2	2.4
19	---	---	---	---	---	---	---	---	---	---	5.0	2.4
20	---	---	---	---	---	---	---	---	---	---	4.7	1.5
21	---	---	---	---	---	---	---	---	---	e8.8	4.5	1.1
22	---	---	---	---	---	---	---	---	---	8.3	4.2	5.2
23	---	---	---	---	---	---	---	---	---	9.8	4.3	88
24	---	---	---	---	---	---	---	---	---	8.3	4.7	6.5
25	---	---	---	---	---	---	---	---	---	6.6	3.4	3.9
26	---	---	---	---	---	---	---	---	---	8.4	2.6	2.3
27	---	---	---	---	---	---	---	---	---	8.7	3.2	2.1
28	---	---	---	---	---	---	---	---	---	7.2	2.5	2.9
29	---	---	---	---	---	---	---	---	---	6.7	2.6	1.8
30	---	---	---	---	---	---	---	---	---	7.8	2.6	1.7
31	---	---	---	---	---	---	---	---	---	6.6	3.0	---
TOTAL	---	---	---	---	---	---	---	---	---	87.2	247.4	177.1
MEAN	---	---	---	---	---	---	---	---	---	7.93	7.98	5.90
MAX	---	---	---	---	---	---	---	---	---	9.8	22	88
MIN	---	---	---	---	---	---	---	---	---	6.6	2.5	1.1
CFSM	---	---	---	---	---	---	---	---	---	0.36	0.36	0.27
IN.	---	---	---	---	---	---	---	---	---	0.15	0.42	0.30

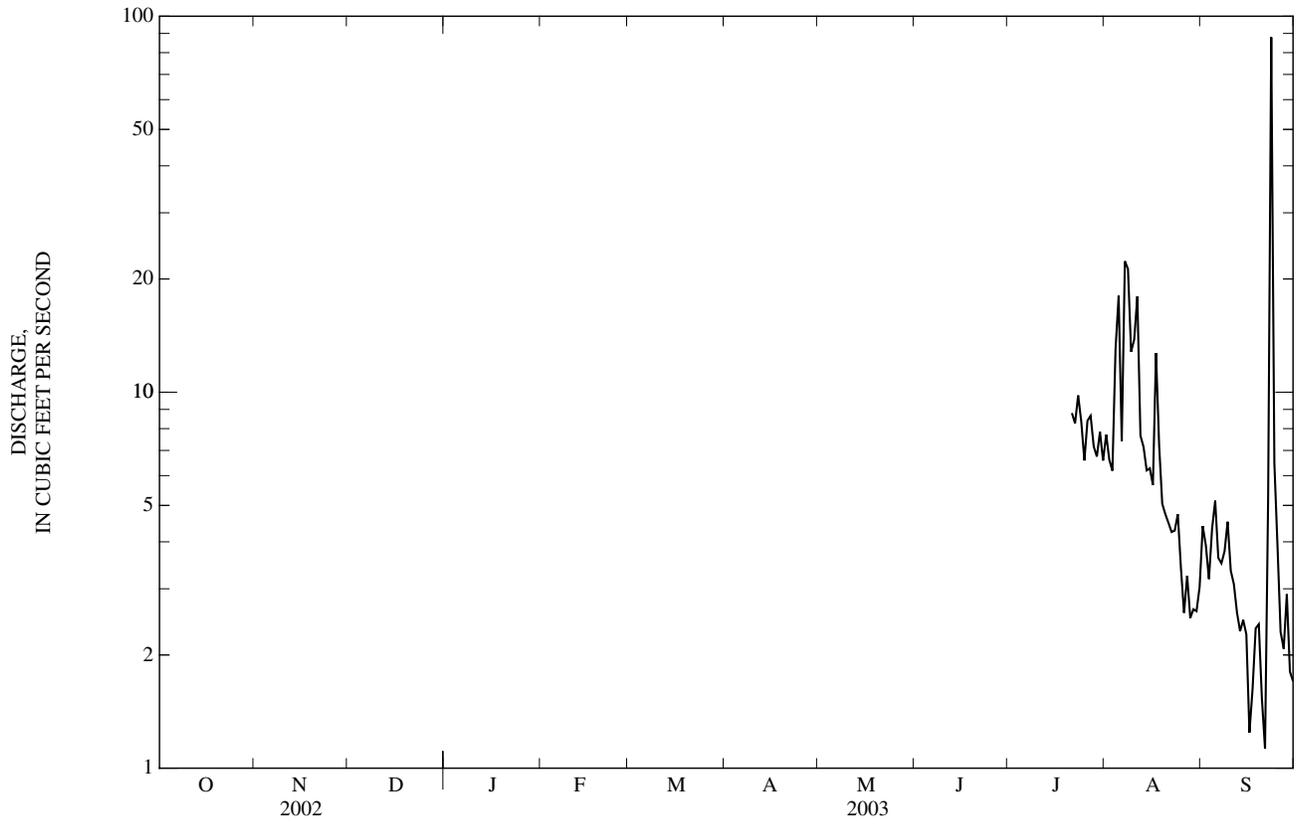
SUMMARY STATISTICS

FOR 2003 WATER YEAR

MAXIMUM PEAK FLOW	330	Sep 23
MAXIMUM PEAK STAGE	6.50	Sep 23
INSTANTANEOUS LOW FLOW	0.32	Sep 16

e Estimated.

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DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.8	2.8	3.8	4.6	41	23	9.7	1.7	e3.5	2.7	3.5
2	0.94	2.9	2.6	3.7	4.3	33	10	11	1.4	e3.4	5.9	1.6
3	1.0	2.7	2.7	3.7	19	21	8.0	9.4	e1.2	e3.1	4.4	1.6
4	1.2	3.2	3.1	e4.0	9.6	16	7.3	6.3	e3.9	e4.0	2.7	1.2
5	1.5	4.2	4.6	8.4	7.6	14	6.8	5.8	2.6	e3.8	2.2	1.2
6	1.7	4.4	3.6	8.7	71	13	6.2	6.4	1.8	e3.5	1.5	2.7
7	1.7	3.2	2.9	4.9	77	11	6.2	4.8	2.2	e3.0	0.66	66
8	2.5	2.8	2.8	4.6	19	9.6	5.4	4.8	1.8	e2.7	0.13	368
9	3.2	2.6	2.8	5.3	14	9.1	4.9	5.1	1.4	3.6	0.28	52
10	1.9	2.5	15	4.5	11	8.8	4.7	8.0	1.7	1.9	0.03	16
11	5.0	2.3	12	4.0	9.6	8.4	4.9	5.9	1.4	1.6	0.16	12
12	e3.6	2.6	4.0	4.1	35	8.4	13	5.5	1.4	15	10	10
13	2.0	3.1	4.4	e4.1	24	8.4	53	3.9	1.5	3.1	5.6	9.2
14	2.5	3.5	54	e4.2	16	7.1	27	3.6	4.7	1.8	12	8.4
15	4.0	2.5	11	e4.0	19	7.2	14	2.9	9.5	0.77	5.8	6.7
16	2.3	2.6	6.0	3.7	23	9.1	11	2.9	7.1	1.2	3.5	6.5
17	2.2	2.7	8.3	4.3	15	8.1	9.0	3.1	3.3	4.8	4.5	39
18	2.2	2.5	6.1	6.2	12	7.7	8.4	3.1	4.5	19	3.5	17
19	1.9	5.5	6.9	5.4	11	7.8	8.2	3.2	4.6	6.8	1.8	6.7
20	1.8	3.9	6.4	4.7	9.4	7.2	6.8	3.4	3.7	3.3	1.3	5.0
21	1.7	2.9	6.0	4.6	8.6	7.3	5.3	2.2	6.6	2.4	1.4	4.4
22	1.8	e3.7	5.8	5.5	8.1	7.0	4.9	2.3	4.0	2.0	1.8	4.1
23	2.3	e3.6	5.6	4.8	7.6	6.7	5.2	1.7	4.7	2.0	1.5	3.0
24	1.7	3.7	5.5	4.6	8.2	6.8	4.7	1.2	3.4	1.3	e1.5	1.7
25	1.3	3.5	5.6	4.7	7.4	6.9	4.0	0.97	17	e1.2	0.97	3.7
26	1.5	4.1	5.5	5.1	8.0	6.1	4.5	0.69	27	e1.2	0.89	3.7
27	11	2.5	5.4	5.3	13	6.1	4.4	1.1	6.9	e50	1.0	19
28	3.7	3.1	5.2	5.7	18	6.4	3.8	1.0	4.2	5.6	0.92	1,070
29	9.2	3.2	5.9	6.3	34	6.1	3.6	0.96	e3.6	8.8	0.75	105
30	3.4	2.9	6.4	6.3	---	7.1	3.5	0.83	e3.5	6.9	2.2	29
31	3.2	---	4.1	5.3	---	12	---	2.1	---	3.8	5.9	---
TOTAL	85.64	95.7	223.0	154.5	524.0	334.4	281.7	123.85	142.3	175.07	87.49	1,877.9
MEAN	2.76	3.19	7.19	4.98	18.1	10.8	9.39	4.00	4.74	5.65	2.82	62.6
MAX	11	5.5	54	8.7	77	41	53	11	27	50	12	1,070
MIN	0.94	2.3	2.6	3.7	4.3	6.1	3.5	0.69	1.2	0.77	0.03	1.2
CFSM	0.13	0.15	0.33	0.23	0.83	0.49	0.43	0.18	0.22	0.26	0.13	2.86
IN.	0.15	0.16	0.38	0.26	0.89	0.57	0.48	0.21	0.24	0.30	0.15	3.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	2.76	3.19	7.19	4.98	18.1	10.8	9.39	4.00	4.74	5.65	5.40	34.2
MAX	2.76	3.19	7.19	4.98	18.1	10.8	9.39	4.00	4.74	5.65	7.98	62.6
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2004)
MIN	2.76	3.19	7.19	4.98	18.1	10.8	9.39	4.00	4.74	5.65	2.82	5.90
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 2003 - 2004

ANNUAL TOTAL							4,105.55					
ANNUAL MEAN							11.2				11.2	
HIGHEST ANNUAL MEAN											11.2	2004
LOWEST ANNUAL MEAN											11.2	2004
HIGHEST DAILY MEAN				88	Sep 23		1,070	Sep 28		1,070	Sep 28, 2004	
LOWEST DAILY MEAN	0.94				Oct 2		0.03	Aug 10		0.03	Aug 10, 2004	
ANNUAL SEVEN-DAY MINIMUM				1.4	Sep 30		0.71	Aug 5		0.71	Aug 5, 2004	
MAXIMUM PEAK FLOW							2,290	Sep 28		2,290	Sep 28, 2004	
MAXIMUM PEAK STAGE							11.51	Sep 28		11.51	Sep 28, 2004	
INSTANTANEOUS LOW FLOW							0.01*	May 26		0.01*	May 26, 2004	
ANNUAL RUNOFF (CFSM)							0.512			0.512		
ANNUAL RUNOFF (INCHES)							6.97			6.96		
10 PERCENT EXCEEDS							14			14		
50 PERCENT EXCEEDS							4.4			4.4		
90 PERCENT EXCEEDS							1.5			1.5		

\* See REMARKS.

e Estimated.

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